



November 16, 2015

ENVIRONMENTAL
PROTECTION AGENCY

NOV 20 2015

Ms. Danette Quick
U.S. Environmental Protection Agency
Region VIII, Montana Office
10 West 15th, Suite 3200
Federal Building
Helena, Montana 59626

Dear Ms. Quick:

We have enclosed the Montana Multi-Site Cooperative Agreements V-9682240J and V-96823301 quarterly report for the Federal Fiscal Year 2015 Fourth Quarter. The quarterly report includes a narrative description and financial summaries of DEQ's activities for this quarter.

If you have questions concerning the narrative discussion, please contact Tom Stoops, Federal Superfund Bureau Chief at (406) 444-6445. For financial summary questions, contact Russ Rowsey, Accountant at (406) 444-6440.

Sincerely,

Jenny Chambers, Administrator
Remediation Division

George Mathieus, Deputy Director
Department of Environmental Quality

Enclosure

cc: Jenny Chambers, RD
Tom Stoops, RD
Karen Anthony, FS

**MONTANA DEQ MULTI-SITE MANAGEMENT ASSISTANCE
COOPERATIVE AGREEMENT**

**BULK FUNDING and SPECIAL ACCOUNT FUNDING
V-96822401, V-96823301**

DEQ Support Agency Assistance

Fourth Quarter Report FFY 2015
July 1, 2015 to September 30, 2015

Montana Department of Environmental Quality
Remediation Division
Federal Superfund and Construction Bureau
Helena, Montana

For the
U.S. Environmental Protection Agency
Region VIII
Denver, Colorado

November 12, 2015

MULTI-SITE COOPERATIVE AGREEMENT
V-96822401, V-96823301
Fourth Quarter Report FFY 2015
July 1, 2015 to September 30, 2015

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INTRODUCTION

The Montana Department of Environmental Quality (DEQ) provided legal, technical, and management assistance at U.S. Environmental Protection Agency (EPA)-lead Montana National Priorities List (NPL) sites during the fourth quarter of federal fiscal year (FFY) 2015. Assistance under this cooperative agreement was provided at the ACM Smelter and Refinery, Anaconda, Barker Hughesville Mining District, Basin Mining Area, Burlington Northern (BN) Somers, Carpenter Snow Creek Mining District, Columbia Falls Aluminum, East Helena, Flat Creek, Frenchtown Mill – Smurfit – Stone, Idaho Pole, Libby Groundwater, Lockwood Solvent site, Milltown Reservoir Sediments, Mouat Chromium, Upper Tenmile, and Silver Bow Creek/Butte Area sites. DEQ assisted EPA on EPA-lead site assessment activities. Both the bulk funded sites and the special account funded sites are reported in this quarterly report.

Beginning July 17, 2012 management assistance for bulk funded sites is provided under Cooperative Agreement V-96822401 and beginning August 1, 2012 management assistance for special account funded sites is provided under Cooperative Agreement V-96823301. Technical Assistance Cooperative agreements (V-97887601, V-96821201, V-96824901, V-96822901, V-96824201) and Core Cooperative Agreement (VC-00852704) are separate agreements and quarterly reporting for Technical Assistance and Core are provided separately. Site narrative provided below primarily focuses on the interaction between the Remedial Project Manager (RPM) and the State Project Officer (SPO) for each site.

SITE NARRATIVES

ACM SMELTER AND REFINERY

The ACM Smelter and Refinery site was listed as a Superfund site on March 10, 2011. During the reporting period DEQ met with EPA, Atlantic Richfield (AR), Formation, and Pacific Western Technology (PWT) on several occasions to review progress on the OU1 RI/FS, including the HHRA. DEQ, PWT, and EPA met with Burlington Northern Santa Fe (BNSF) and Kennedy Jenks to review progress on the RR corridor OU1 RI/FS, including the Human Health Risk Assessment (HHRA). DEQ and EPA met with the Black Eagle Community, the TAG committee, the Cascade County Commissioners, and the Great Falls Development Corporation to present the general plan for remediating the site. The DEQ provided field oversight on the AR and the BNSF field activities on several occasions. Started work on the screening level risk assessment activities for OU3 from Black Eagle to Fort Benton, MT.

Documents Received, Reviewed, Prepared:

- OU1 June, July, and August, 2015 Monthly RIFS progress reports (ARCO, July, August, and September, 2015).
- RCOU1 June, July, August, 2015 Monthly RIFS progress reports (Kennedy Jenks, July August, and September, 2015).
- TAG meeting minutes (Ackerlund, August 2015).
- Revise the scope of the HHRA reviews.
- Review the draft RCOU1 HHRA report (Kennedy Jenks, July 2015).
- Review RCOU1 archeological report (Metcalf, July 2015).
- Review agency comments on the RCOU1 HHRA report (PWT, July 2015).
- Review OU3 ecological sampling plan (MTFWP, August 2015).
- Review RCOU1 air dispersion modeling report Kennedy Jenks, June 2015).

Meetings with EPA Staff and others:

- July 10 Meet CDM to review the scope for the HHRA report review.
- July 14-16 Great Falls/Fort Benton. Meet EPA, MTFWP, USF&W, and Techlaw to confirm the scope for the OU3 ecological risk assessment, soil and sediment sampling. Soil and sediment sampling and XRF analyses at select locations.
- July 20 Meet EPA and PWT to review RAO's and technology/alternative screening
- July 21 Meet EPA, PWT, and TAG to review the RCOU1 air dispersion modeling and HHRA report
- July 23 Meet EPA, PWT, BNSF, and Kennedy Jenks to review the RCOU1 RIFS
- Sept 2 Meet EPA, PWT, TAG, BNSF, and Kennedy Jenks to review the RCOU1 HHRA report, in Great Falls. Met Cascade Co., TAG, and Trails group to review risk assessments.
- Sept 28 Meet EPA, PWT, TAG, Formation, and ARCO to review comments on the OU1 HHRA report.

Travel and Site Visits:

Met with Agencies, contractors and Cascade county to review HHRA in Great Falls.

ANACONDA SMELTER SITE

DEQ, in cooperation with the EPA and Atlantic Richfield (AR), continue to make progress at the Anaconda Smelter NPL site. As in the previous quarter, preliminary discussions on beginning formal Consent Negotiations continue between the Agencies and AR. Remediation activities continued throughout the quarter. Activities included, but were not limited to meeting with Anaconda/ Deer Lodge County (ADLC) and other stakeholders on various issues. In support of these and other activities, DEQ has attended meetings and reviewed documents and reports.

Community Soils Operable Unit

The plan for implementation of the Community Soils Operable Unit (CSOU) Record of Decision (ROD) Modification was finalized between the Agencies, AR and ADLC. AR indicated a possible start of residential sampling this fall. Planned remediation of two residences in Opportunity is delayed until spring. ADLC continues discussions on Institutional Controls (ICs) and settlement terms with AR. ADLC also completed work on modifications to the Development Permit System (State comments were incorporated), and the Ordinance change was adopted by the City/County Commission. DEQ met with AR, ADLC and EPA to discuss items that need to be addressed prior to initiating formal Consent Decree negotiations. Neither the EPA nor AR have yet to comment on the draft Community Safety Protective Measures Plan submitted by the county in June. In support of these and other activities, DEQ sought clarification, reviewed relevant technical documents, offering opinions and suggestions.

Documents Received, Reviewed, Prepared:

- CSOU, Anaconda Smelter Superfund Site: Administrative Order for Remedial Action, EPA Docket No. CERCLA-08-2002-08. June 2015 Monthly Report (July 9, 2015)
- US vs ARCO-Consent and Service of Amendment Confidentiality Order on Anaconda Deer Lodge (July 21, 2015)
- CSOU, Anaconda Smelter Superfund Site: Administrative Order for remedial Action, EPA Docket No. CERCLA-08-2002-08, July 2015 Monthly report (August 6, 2015)
- Final Residential Soils/Dust Remedial Action Work Plan/Final Design Report (August 7, 2015)

- Community Soils Operable Unit (CSOU) Opportunity Individual site Work Plans (ISWP's) (August 20, 2015)
- ARCO Letter identifying the key Consent Decree negotiation issues that need to be resolved as AR and the Agencies proceed toward final CD negotiations (August 13, 2015)
- Anaconda Deer Lodge County Letter setting forth the key issues that need to be resolved as AR and the Agencies proceed toward final CD negotiations (August 13, 2015)
- Community Soils Operable Unit, Anaconda Smelter Superfund Site: administrative Order for Remedial Action, EPA Docket No. CERCLA-08-2002-08. Monthly Report August 2015 (September 4, 2015)
- EPA in consultation with DEQ approves Atlantic Richfield's Final Community Soils Operable Unit (CSOU) draft Final Residential Soils Dust Removal Action Work Plan/Final Design Report (RAWP/FDR) August 7, 2015 August 21, 2015)
- EPA approval of Atlantic Richfield's Final residential Soils Construction completion Report (CCR) dated May 9, 2015 (September 14, 2015)
- EPA approval of Atlantic Richfield's Community Soils Operable Unit (CSOU) Opportunity Individual Site Work Plans (ISWP's) dated August 28, 2015 (September 14, 2015)
- Statement (State of Montana) of key needs for Anaconda Co. Smelter NPL site Consent Decree negotiations (August 12, 2015)
- EPA position on Consent Decree requirements for the Anaconda Smelter site (July 28, 2105)
- Approval with comment of Atlantic Richfield's Community Soils Operable Unit (CSOU) Opportunity Individual Site Work plans (ISWP's) dated August 28, 2015 (September 14, 2015)

Meetings with EPA staff and others:

July 8 Meeting with EPA to discuss interior dust issues in Anaconda.
July 29 Meeting with EPA and ADLC on progress toward formal Consent Decree negotiations.
Aug 28 Meeting with AR, EPA and ADLC to discuss progress on moving forward with formal CD negotiations.

Travel and Site Visits:

Meeting in Anaconda to discuss interior dust issues

Old Works Operable Unit

Construction activities at the Mike Sales property were begun and completed during the quarter. ADLC continued discussions/negotiations with AR regarding financial support for the Old Works Golf Course, Institutional Controls, and Redevelopment funding. Positions on both sides were communicated between the parties. A Consent Decree is dependent on settlement between AR and ADLC on these issues. In a supportive role, DEQ participated in talks with EPA, AR and ADLC concerning these matters.

Documents Received, Reviewed, Prepared

- June 2015 Monthly Progress Report Old Works/East Anaconda Development Area Operable Unit Remedial Action Order No. CERCLA VIII – 94-08 (July 9, 2015)
- Agency Approval of ARCO's Draft Final Old Works Golf Course Lake #2 Liner Repair Construction Completion Report (CCR) dated December 17, 2104 (July 28, 2105)

- Agencies Approval of ARCO's Draft Final Old Works – Industrial Area (IA) Individual Site Work Plan (ISWP) for Mike's Sales Parcel (Lot No. 1 of 6 Minor Subdivision; Plat No. 179-A) dated July 29, 2015 (August 5, 2015)
- Draft Final Old Works Individual Area Mike's Sales Individual Site Work Plan (ISWP) (July 25, 2015)
- EPA Position on Consent Decree negotiations for the Anaconda smelter site (July 28, 2015)
- Statement (State of Montana) of key needs for Anaconda Co. smelter NPL site Consent Decree negotiations (August 12, 2015)
- ARCO Letter Identifying the key Consent Decree negotiation issues requiring resolution (August 13, 2015)
- Anaconda Deer Lodge County Letter setting forth the key issues that need to be resolved as AR and the Agencies proceed toward final CD negotiations (August 13, 2015)
- August 2015 Monthly Report Old Works/ East Anaconda Development Area Operable Unit Remedial Action Order No. CERCLA VIII-94-08 (September 10, 2015)

Meeting with EPA staff and others:

July 13 Meeting with EPA and ADLC on ADLC wishes regarding redevelopment funding from AR.
July 29 Meeting with AR, EPA and ADLC on progress on moving toward formal Consent Decree negotiations

Travel and Site Visits:

None scheduled during the reporting period

Anaconda Regional Water, Waste, and Soils Operable Unit

Work on the Blue Lagoon Outwash was nearly completed and will finish in the next quarter. Work continued on Smelter Hill and is nearing completion for the year. The East Anaconda Rail Yard remedial action neared completion. Maintenance activities on Stucky Ridge were completed. AR began pre-construction work on private property in RDU 9, adjacent to Interstate 90. Technical discussions between the Agencies and AR continue to result in completion of additional portions of the Site Management Plan. As part of the overarching Site Management Plan, work continued on the Technical Impracticability study, a critical component of the final Surface Water Management Plan. The Groundwater Management Plan neared completion during the quarter. The final version is being circulated. Some differences on the Domestic Well portion of the Plan remain between ADLC and the Agencies/AR. Issues were not resolved in the quarter, and remain outstanding. Completion of all aspects of the Site Management Plan (SMP) is necessary before formal Consent Decree negotiation can begin. In support of these and other activities, DEQ reviewed reports, attended meetings while offering opinions concerning these matters, and acted in a supporting role during EPA's talks with AR and ADLC.

Documents Received, Reviewed, Prepared:

- June 2015 Monthly progress Report (July 9, 2015)
- DEQ Comments on Draft Final, Five-Year review Report, Anaconda Smelter National Priority List Site, Deer Lodge County, Montana dated June, 2015 (July 9, 2015)
- Agency approval of ARCO's petition to use Granulated Slag (MGS) and West Stack Slag (WSS) for pig iron manufacturing (July 23, 2105)

- Agencies approval of ARCO's Facilities Individual Site Work Plan (ISWP) for Polygons (LTCK-002.11 and LTCK-002.13) dated May 28, 2015 (July 23, 2015)
- Agencies Approval of ARCO's facilities Sampling Individual Site Investigation Report (ISIR) for the Lost Creek raceway Salvage Yard (OSWR-005), dated May 28, 2015 with comments (July 23, 2015)
- EPA in consultation with DEQ revised comments to ARCO's Draft Final 2014 Hoodoo creek Sediment Sampling Data Summary Report (DSR) (July 22, 2015)
- Agencies approval with comments on ARCO's Draft Final Opportunity Ponds (RDU 8) Milltown Sediments Remedial Action Construction Completion Report, dated November 5, 2014 (July 28, 2015)
- Review of Individual Site Work Plan (ISWP) Facilities Polygons LTCK-002.11 and LTCK-002.13 (June 18, 2015)
- Draft Final Five-Year review Report Anaconda Smelter National Priority List Site, Deer Lodge County, Montana (June 2015)
- US vs ARCO-Consent and Service of Amended Confidentiality Order on Anaconda Deer Lodge (July 21, 2015)
- Letter of Transmittal of Electronic Appendices of the Draft Final Opportunity Ponds remedial Design Unit (RDU) 8 Remedial Action (RA) construction Completion Report (CCR) (July 9, 2015)
- Draft Final Flue Dust Repository Long-Term Management Alternative Analysis (May 27, 2015)
- Anaconda Smelter NPL Site Draft Quality Management Plan (QMP) (July 31, 2015)
- Anaconda Deer Lodge County Ordinance No. 241 An Ordinance Amending Chapter 24 of the Code of Ordinances of Anaconda-Deer Lodge County (August 20, 2015)
- July 2015 Monthly Progress Report (August 7, 2015)
- County Ordinance 241. Development Permit System (August 6, 2015)
- EPA Position on Consent Decree requirements for the Anaconda Smelter site (July 28, 2015)
- Statement (State of Montana) on key needs for Anaconda Co. Smelter NPL site Consent Decree negotiations (August 13, 2105)
- Approval with comments regarding review of Atlantic Richfield's Draft Final Flue Dust Repository Long-term Leachate Management Alternative Analysis (August 12, 2015)
- ARCO Letter identifying Consent Decree negotiation Issues requiring resolution (August 13, 2015)
- Anaconda Deer Lodge county Letter setting forth the key issues that need to be resolved as AR and the agencies proceed toward final Consent Decree negotiations (August 13, 2015)
- Atlantic Richfield Co. groundwater well sampling during July 2015 (September 4, 2015)
- August 2015 Monthly Progress Report for Anaconda Regional Water, Waste and Soils (September 10, 2015)

Meetings with EPA staff and others:

July 13	Met with EPA and AR to discuss progress on the Technical Impracticability study
July 16	Met with EPA, DOJ and AR to discuss access issues for proposed work on Warm Springs Creek.
July 29	Met with EPA, AR and ADLC to discuss progress toward from Consent Decree
Aug 6	Met with EPA and AR to discuss the Flu Dust repository on Smelter Hill.
Aug 28	Met with EPA on the draft Five Year review.
Sept 9	Met with EPA to discuss progress on Individual Site Work Plans and quality of borrow for Smelter Hill.

Sept 16 Met with EPA and ADLC to discuss technical issues prior to CD negotiations.

Travel and Site Visits:

None scheduled during the reporting period

BARKER-HUGHESVILLE MINING DISTRICT SITE

The Barker-Hughesville Mining District (BHMD) Superfund Site is located 12 miles east of Monarch, Montana in the Little Belt Mountains and was added to the National Priorities List in September 2001. EPA is the lead agency for this site and DEQ is the support agency. The US Forest Service (USFS) is a participant and the largest landowner within the site boundary. The BHMD includes approximately 45 abandoned mines; sixteen of which have been identified as Tier 1 sources for surface water contamination from acid mine drainage. Native soils, waste rock, tailings, stream sediments, and surface water data indicate surface water impacts from historical mining activities. Contaminants of concern include heavy metals associated with the mining industry (e.g., arsenic, cadmium, copper, lead, mercury, zinc).

DEQ Fourth Quarter FFY 2015 expenses were for technical review of reports and correspondence, attending meetings, indirect charges, site visits and project management activities.

DEQ Work Effort Activities:

- EPA provided CDM with all of the agency comments (DEQ and USFS included) on the draft final RI during the previous reporting period; CDM made the changes and submitted a 3rd version of the draft Remedial Investigation report for agency review and comments
- The Feasibility Study work effort for the Galena Creek OU-1 portion of the Site was initiated in early 2014 to evaluate the most appropriate cleanup alternatives and the work effort is on-going
- CDM should have a draft FS ready for agency review by January 2016
- Installation of the FWP fish barrier on the Dry Fork Belt Creek, about 2 miles upstream from Monarch, MT occur during the reporting period
- Project focus will be on completing the site-wide RI report and the FS for the Galena Creek (OU-1) area in FFY 2016
- No major construction project is planned at the site in 2016
- EPA and DEQ continued regular project meetings and FS meetings during the reporting period, however there were not any meetings or site visits during the month of August because CDM staff was working on documents

Documents Received, Reviewed, Prepared:

- Correspondence from EPA, USFS, and other letters, emails, and meeting notes
- Progress reports and correspondence from the Doe Run Company and Barr Engineering
- 3rd Draft Final Remedial Investigation Report, Barker-Hughesville Mining District Superfund Site, Cascade and Judith Basin Counties, Montana, July 2015 (CDM)
- Draft Tech Memo, Block P Mine Source Area Investigation, July 2015 (CDM)
- Draft 2015 BHMD SAP & QAPP Plan, August, 2015 (TechLaw)
- 2015 BHMD SAP & QAPP Plan, September, 2015 (TechLaw)

Meetings with EPA staff and others:

July 6	Project meeting with EPA, USFS, USFWS and CDM staff
July 16	PRAOs meeting with EPA and CDM staff
Aug 21	Meeting with EPA and CDM staff to discuss PRAOs
Sept 9	Project meeting with EPA, USFS, USFWS and CDM staff
Sept 17	FS meeting with EPA and CDM staff

Travel and Site Visits:

July 7, 8	DEQ and EPA staff visited the site
July 14	Site visit with EPA and Doe Run staff to inspect repositories and removal areas
Sept 14	DEQ staff visited the site with EPA and ESAT staff (fall sampling event)
Sept 29	DEQ and EPA staff visited the site (Danny T mine)

Basin Mining Area

EPA is the lead agency for conducting the RI/FS and Remedial Design/Remedial Action (RD/RA) at the Basin Mining Area NPL Site (Basin). The State of Montana Basin Creek Mine Site reclamation bond and general obligation bond activities constitute remedial action under Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This work is eligible for credit towards Montana's cost share.

Town of Basin OU 1

The RD/RA was completed for OU 1 in December 2004, and the First Five-Year Review Report was finalized in May 2008. The EPA, DEQ, and CH2MHill completed the field inspection for the second five-year review. The DEQ has completed the Applicable or Relevant and Appropriate Requirements (ARAR) analysis for the second five-year review. The EPA and the DEQ completed the interviews of local residents for the second five-year review.

Documents Received, Reviewed, Prepared:

No documents received during the reporting period.

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel for this project during the reporting period.

Basin Watershed OU 2

EPA has postponed remedial activities since 2005 for the OU as a whole, but began focused Engineering Evaluation/Cost Analysis (EE/CA) for adit discharges from the Crystal and Bullion Mines in 2008; the RI/FS's for the same mines were completed in early 2014. EPA and DEQ are currently evaluating source control as part of the remedy. The focus for 2011, 2012, and 2013 has been a RI/FS effort for the Crystal Mine Site, now identified by EPA as OU 5 and a RI/FS for the Bullion Mine, identified as OU 6. The RODs for Bullion and Crystal were signed early in 2015. DEQ expenses during the reporting period included

review of the design basis reports for Bullion and Crystal and discussions with EPA and CH2MHill in regards to various Acid Mine Discharge (AMD) source control options for both OU5 and OU6. The various AMD source control options will be evaluated as part of the remedial design for OU5 and OU6. Surface water and ground water tracer studies were continued at both the Bullion site and the Crystal site. Completed dewatering of the Bullion Mine, and installed a 24 inch diameter drain.

Documents Received, Reviewed, Prepared:

- Review the Crystal AMD semi passive field test report (Hill, December 2014)
- Review the scope, schedule, and budget for the Bullion/Crystal tracer studies (CDM, May 2015)
- Review Crystal design basis report (CH2MHill, April 2015)
- Review the SAP for the tracer studies (CDM Smith, May 2015)
- Review the Bullion design basis report (CH2M Hill, May 2015)
- Review the USGS surface water quality report and trends for the Boulder River watershed (USGS, March 2015)
- Develop a summary of the Bullion and Crystal tracer studies
- Review Bullion water treatment options.
- Issue task order to extend the duration of the tracer studies

Meetings with EPA Staff and others:

July 16 Met with CDM to review tracer study status
July 30 Met with CDM to review tracer study status
Aug 3 Met with EPA, CDM, and ER to adjust tracer samples

Travel and Site Visit:

July 8 Inspected Bullion and Crystal with EPA and SHPO
Aug 7, 14, 16, 17, 18, 20, 24, 27, 28, 31 Inspected dewatering project at Bullion
Sept 3, 4, 8, 9, 10, 15, 16, 17, 18 Inspected dewatering project at Bullion
Sept 21, 22, 23, 24, 25, 28, 29, 30 Inspected dewatering project at Bullion

BN SOMERS SITE

The DEQ Project Officer received and reviewed Potential Responsible Party (PRP) and EPA correspondence, and progress reports related to the project. DEQ maintained files as appropriate. DEQ personnel continue to maintain a web-page on DEQ site for Burlington Northern (BN) Somers. Because the Site isn't officially recognized as a cleanup by any program and doesn't meet the definition of an alternative cleanup, EPA doesn't have any information of the Somers cleanup on the web. This site on the DEQ website is being used by both EPA and DEQ as an electronic repository for public documents related to the BN Somers site.

Various email communications were exchanged during the quarter to discuss the ongoing additional data collection. The Agencies are requiring that BN conduct additional characterization work to better define the extent of both product and dissolved phase contamination. Additional monitoring wells had previously been installed to more fully define the nature and extent of the groundwater plume. BNSF installed three additional 4-inch casing monitoring/recovery wells in September 2014 (S-14-1S, S-14-2S, and S-14-3S). From July 7, 2014 – August 12, 2015, BNSF removed about 368.25 gallons of NAPL from the site groundwater. The Biosparging Pilot System startup occurred September 16, 2014, and had run

continuously through January 23, 2015, at which point it was shut down. The duration of the Pilot Study was expected to be between 8 -12 weeks; however, additional information was requested necessitating the need to extend the pilot study. Groundwater baseline samples were collected immediately prior to system startup, and were collected every two weeks throughout the pilot study. BNSF restarted the Biosparging System August 31st – September 1st to conduct Phase 3 using a pulsing introduction of air into the contaminated groundwater.

Documents Received, Reviewed, Prepared:

- Accepted the Redlined and Draft Final Somers 2015 QAPP Revision 1, Redlined and Draft Final 2015 Somers QAPP Checklist with EPA edits, Redline and Draft Final 2015 AECOM Somers GW SAP, and BNSF's and Aecom's Somers 2015 GW SAP Response to Comments (July 9, 2015)
- Accepted Seventh Annual Interim Monitoring Report, December 2013 through November 2014 - Revision 1 (July 10, 2015)
- Received Somers Semi-Annual Progress Report for January through June 2015 (July 10, 2015), reviewed and accepted (July 21, 2015).
- Received and reviewed the BNSF Somers NAPL Gauging and Removal Table through July 2015 (July 30, 2015)
- Received and commented on Groundwater Monitoring Sampling and Analysis Plan – Well Installation and Abandonment Work Plan Addendum for the BNSF Former Tie Treatment Plant, Somers, Montana (August 7, 2015).
- Received and reviewed the BNSF Somers NAPL Gauging and Removal Table through August 2015 (August 20, 2015).
- Received and accepted Revised Groundwater Monitoring Sampling and Analysis Plan – Well Installation and Abandonment Work Plan Addendum for the BNSF Former Tie Treatment Plant, Somers, Montana (August 20, 2015)
- Received and accepted the table of Proposed Wells for Development and Sampling for the BNSF Somers Site (August 27, 2015).
- Received Biosparging Pilot Study Report - Revision 1; BNSF Former Tie Treatment Plant, Somers, Montana (September 17, 2015).
- Received and reviewed weekly Phase 3 Biosparging data (September 8, 14, 21, & 28, 2015).
- Received and accepted letter from BNSF assigning new project manager (Yueh Chuang; September 30, 2015)
- Received Memo: Draft Deliverable for the Focused Feasibility Study, BNSF Former Tie Treatment Plant, Somers, Montana (September 30, 2015)

Meetings with EPA staff and others:

Aug 13 Discussed restarting Biosparging System with EPA and BNSF
Aug 18 Conference call with EPA, BNSF, and AECOM to discuss Work Plan for Monitoring Well Installation and Abandonment
Aug 18 Drafted letter in support of the Flathead Land Trust's Restoration Project
Sept 1, 2 Oversaw monitoring well development and abandonment
Sept 9, 22 Conference call with EPA, BNSF, AECOM, and Kennedy/Jenks to discuss Phase 3 Biosparging data
Sept 30 Conference call with EPA, BNSF, and AECOM to discuss 5th Five Year Review, conduct of public meeting, and developing a revised fact sheet

Travel and Site Visits:

None planned during the reporting period

CARPENTER SNOW CREEK MINING DISTRICT

The Carpenter Snow Creek Mining District (CSCMD) Site is located near and includes the town of Neihart, Montana in the Little Belt Mountains. The CSCMD site was added to the National Priorities List in September 2001. EPA is the lead agency for the CSCMD site and DEQ is the supporting agency providing management assistance. Surface water, soils and stream sediments have been impacted by historical mining activities. The CSCMD site contains 96 abandoned mines, 26 of which have been identified as Tier 1 sources of arsenic, lead, cadmium, and other heavy metal contaminants that pose a risk to human health and the environment. A Record of Decision for the Town of Neihart OU-1 was issued on May 19, 2009 by EPA with concurrence by DEQ.

In June 2011, DEQ, using funding provided by EPA, contracted with Tetra Tech EM Inc. to have them assist EPA and DEQ with additional RI sampling/data collection, RI report writing and begin the FS effort. The funding and work continued throughout 2012, 2013, 2014 and will continue throughout 2015; the final RI report should be completed in 2016 and a draft FS should also be completed in 2016.

DEQ Fourth Quarter FFY 2015 expenses were for technical review of reports and correspondence, attending meetings, indirect charges, site visits and project management activities including task order management.

DEQ Work Effort Activities:

- During the reporting period DEQ staff had meetings and discussions with EPA, Tetra Tech, PWT, FWP and MDT staff and weekly phone calls with EPA, Tetra Tech, PWT and MDT staff
- The 2015 RI report writing task order (TO-22) was approved and the work initiated by the Contractor during the previous reporting period
- Focused on completing the site-wide RI report and working on the FS report for the Silver Dyke mine wastes (OU-3) during the reporting period
- Developed new task orders for work that is not covered under current task orders
- Initiate work with MDT during the previous reporting period to address the US-89 and Carpenter Creek road intersection using the ERRA funding including the draft Interagency Agreement and the draft intersection design; continued work on this project during the reporting period
- A task order for the Belt Creek Tailings Streambank Stabilization project (TO-25) was approved and the work initiated by the Contractor during the previous reporting period
- Meetings and discussions about the site-wide PRAOs, Mackay Gulch Repository design, Aquafix design, Streambank Stabilization Pilot study and the Silver Dyke Adit opening
- During the reporting period DEQ and Tetra Tech staff made plans to open the Silver Dyke Adit for EPA. However, because of the Gold King mine release, EPA asks DEQ to issue a stop-work order related to the task order. DEQ has not received permission from EPA to go back to work on the adit opening work
- The Proteus cavitation study was conducted during the reporting period
- DEQ provided EPA with comments about the Neihart OU-1 remedial design
- Neihart OU-1 RD discussions about the RD package for the priority panel took place during the reporting period

- Fall field sampling with EPA and ESAT staff; second week in September
- Any of the draft designs for work to be completed in 2015 were submitted in late August or early September. EPA and DEQ provided comments and will approve the work next reporting period and the work will be completed in the field in October 2015

Documents Received, Reviewed, Prepared:

- Emails and email attachments to review and provide comments on as needed
- EPA and DEQ provided comments on the draft RI to Tetra Tech during the reporting period
- Final Neihart POSM Work Plan (PWT)
- Draft 80% Remedial Design and Cost Estimate for Neihart OU-1 Remedial Action (PWT)
- Final SAP/QAPP for 2015 field work and sampling activities (ESAT)
- Draft Mackay Gulch repository design (Tetra Tech)
- Draft Aquafix work plan and design (Tetra Tech)
- Draft US-89/Carpenter Creek Road design (Tetra Tech)
- Draft Belt Creek Tailings Streambank Stabilization design and work plan (Tetra Tech)
- MolyCorp Inc. - Notice of Bankruptcy letter (Dept. of Interior)

Meetings with EPA staff and others:

July 16	Meeting with EPA staff and others about site PRAOs
July 27	Task Order meeting with Tetra Tech staff
July 28	Intersection meeting with MDT staff
Aug 13	2015 Field Work meeting with EPA and Tetra Tech staff
Aug 13	Intersection and culvert meeting with EPA and MDT staff
Aug 25	Neihart OU-1 RD meeting with EPA and PWT staff
Aug 26	OU-2/3 project meeting with EPA and Tetra Tech Staff
Sept 9	Project meeting with EPA and Tetra Tech Staff
Sept 10	Neihart OU-1 RD meeting with EPA and PWT staff
Sept 15	Neihart OU-1 RD meeting with EPA and PWT staff
Sept 22	OU-2/3 project meeting with EPA and Tetra Tech Staff
Sept 30	OU-2/3 project meeting with EPA and Tetra Tech Staff

Travel and Site Visits:

July 7/8	Tour of East Helena, Belt, Barker-Hughesville and Carpenter-Snow Creek sites with EPA
July 30	Traveled to the site to meet with MDT and Tetra Tech
Sept 14	Site visit with EPA and ESAT
Sept 18	Site visit with EPA, MDT and Tetra Tech
Sept 28	Site visit with EPA, MDT and Tetra Tech

EAST HELENA SITE

The East Helena NPL Site is the location of a lead and zinc smelter operated by Asarco Inc. for over 100 years. The EPA listed the site on the NPL in 1983. Additionally, the EPA and DEQ Resource Conservation and Recovery Act (RCRA) programs administer the smelter facility including groundwater and surface soils. RCRA activities within the Asarco facility are outside the scope of this cooperative agreement application. EPA manages contaminated smelter off-site soils through CERCLA. DEQ management assistance commitments include the off-site soils and coordination with RCRA actions. The Asarco shut

down the facility in April 2001. EPA issued a Record of Decision in September 2009 without state concurrence.

Residential Soils Remedial Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following post ROD activities during the quarter:

DEQ Work Effort Activities:

- Downloaded and reviewed the Pre-Final and later the Final Design Report for the one remaining residential yard, 23 road aprons, and 17 sections of flood channels.
- Participated in the Remedial Action bid walk for above work.
- Participated in the East Helena Entire Cleanup Team in Coordination (EHECTIC) meeting and a follow-up tour of the plant site construction work.
- Reviewed the agenda and the minutes from the previous meetings of the Lead Education Program (LEAP) Advisory Committee.
- Participated in the Lead Program meetings.
- Reviewed email on proposed sale of Montana Environmental Custodial Trust (METG) property (Dartman) to the EH School District.
- Reviewed the Field Sampling Plan and Quality Assurance Plan for long-term monitoring.
- Responded to an inquiry regarding the OU2 ROD.
- Reviewed EPA's project summary update memo for the East Helena City Council

Documents Received, Reviewed, Prepared:

- LEAP meeting minutes.
- Remedial Design, Residential Yards, Unpaved Road Aprons, and Alleys, and Flood Channels, East Helena Superfund Site, PWT, September 4, 2015

Meetings with EPA staff and others:

July 15	East Helena, for LEAP meeting
Aug 26	East Helena, for LEAP meeting
Sept 30	East Helena, for EHECTIC meeting and plant site tour

Travel and Site Visits:

July 15	East Helena, for LEAP meeting
Aug 26	East Helena, for LEAP meeting
Sept 30	East Helena, for EHECTIC meeting and plant site tour

FLAT CREEK IMM SITE

The Flat Creek IMM site was the result of abandoned historic hard rock mining operations. The Iron Mountain Mine and Mill (IMM) operated from 1909-1930 and from 1947-1953, producing silver, lead, and zinc ores. The site consists of four components: residential soil contamination in the town of Superior, contaminated drinking water sources, abandoned mine and mill properties, and contaminated sediments in and near Flat Creek. Mine tailings from IMM were brought into the town of Superior and

used as fill, road base, and driveway material more than 40 years ago. The EPA placed the site on the NPL on September 23, 2009. The Record of Decision for OU1 was finalized on July 3, 2012.

Residential Soils Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following activities during the quarter:

- Discussed the draft Soil Disturbance Ordinance (Institutional Control Program) from Mineral County with the technical advisor to the Superior Technical Assistance Committee (STAC).

Documents Received, Reviewed, Prepared:

- Draft Soil Disturbance Ordinance, Mineral County, January 2015

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site specifically for this OU during the reporting period.

Flat Creek Watershed Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following RI/FS activities:

- Reviewed the monthly report and invoice from Tetra Tech (and subcontractor Smart Consulting) regarding their efforts to complete a Comprehensive Engineering Evaluation and Cost Assessment (EECA) for Tailings Removal.
- Reviewed the draft final EECA and sent web links to the stakeholders.
- Discussed the EECA and possible schedule for a public meeting with the TA to STAC.
- Responded to email on the possibility of an adit blowout at the Iron Mountain Tunnel
- Reviewed the combined edits on the draft EECA and sent to Tetra Tech then had discussions about how to address some comments.
- Provide an update to the technical advisor to the Superior Technical Assistance Committee (STAC).

Documents Received, Reviewed, Prepared:

- Draft Final Engineering Evaluation and Cost Assessment, Flat Creek Iron Mountain Mine NPL Site, Flat Creek Tailings – OU2, Tetra Tech and Smart Consulting, September 17, 2015

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site specifically for this OU during the reporting period.

Flat Creek Wood Gulch Repository (WGR) Operable Unit

DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration. DEQ conducted the following RI/FS activities:

- Called Mountain Valley Plants about weed control at the WGR.

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site specifically for this OU during the reporting period.

FRENCHTOWN MILL SMURFIT-STONE SITE

The U.S. Environmental Protection Agency (EPA) completed a Preliminary Assessment and Site Inspection at the former Smurfit-Stone Mill in 2012. The mill site was proposed for listing on the National Priority List in May 2013. Soil samples collected from the site indicate that there are multiple contaminants present above background conditions in the surface and subsurface soils at the site. Various dioxin including chlorinated dioxins and furan compounds, common byproducts of paper bleaching operations, were detected in the sludge ponds soils, emergency spill pond soils, and the wastewater storage pond soils. Heavy metals, including Manganese, Arsenic, Lead, Barium, and Cadmium were also detected at the site in the sludge pond soils and emergency spill pond soils. Dioxins and furans have migrated to the sediments of the Clark Fork River and are also present in groundwater.

Some PCBs were also found on-site in some of the pond soils during the preliminary investigation, however none of the samples to-date have been above the EPA RSLs. FWP collected and analyzed fish tissue samples in May 2013. The FWP report indicates that dioxins and PCBs are present in Clark Fork River fish near and immediately downstream of the site. The State of Montana issued a fish consumption advisory for the 104 mile reach of the Clark Fork River upstream and downstream of the site in October 2013. DEQ assisted EPA with review and comments on the AOC and RI Work Plan.

DEQ Forth Quarter FFY 2015 expenses were for technical review of reports and correspondence, attending meetings, conference calls, indirect charges, site visits and project management activities.

DEQ Work Effort Activities:

- Planned Work for FFY 2015 and 2016: Start the RI/FS effort sometime in 2015 or 2016 once the EPA/PRP Administrative Settlement Agreement and Order on Consent (AOC) is signed by EPA and the PRPs and the RI/FS work plan approved by EPA, in consultation with DEQ
- EPA ask DEQ to review the draft AOC and draft RI Work Plan and Field Sampling Plan during the reporting period and DEQ provided EPA with comments

Documents Received, Reviewed, Prepared:

- Meeting agendas, maps and sampling information provided by the PRPs for the meeting that occurred during the reporting period
- Draft Remedial Investigation Work Plan and Field Sampling Plan

Meetings with EPA staff and others:

During the reporting period DEQ staff had numerous emails and phone conversations with EPA staff about the AOC and other agencies issues and concerns regarding site. Because the RPM's office is in Butte, MT and the EPA attorney is in Denver; all five of the EPA/DEQ meetings were conference calls involving the RPM, SPO and the two site attorneys. Calls occurred on: July 13 and 29; August 4, 20 and 27th; no meetings in September.

Travel and Site Visits:

Sept 16 Met with EPA and PRP staff to discuss issues related to the draft RI Work Plan and Field Sampling Plan

IDAHO POLE SITE

The DEQ Project Officer received and reviewed PRP and EPA correspondence, and progress reports related to the project. DEQ maintained files as appropriate. DEQ and EPA continue to communicate with Northwestern Energy about its upcoming plans for extending natural gas pipelines through the area encompassed by the Controlled Groundwater Area, for upgrading its substation, and for the requirements that will be involved for potential dewatering as it may impact the contaminant plume. In May, DEQ staff participated in a teleconference regarding optimization of remedial activities at the site. Received and approved a pilot-scale test plan for injecting nitrate-rich nutrient into the groundwater to enhance degradation of PCP began in July, 2015. Data are being collected for use in evaluation of whether to continue the pilot-scale on into a full-scale effort. A report summarizing this data is expected during the next quarter. The Five-Year review, prepared by Tetra Tech EMI and is funded by EPA through a Technical Assistance Grant, was finalized during the quarter.

Documents Received, Reviewed, Prepared:

- Idaho Pole Site Semi-Annual Progress Report – January through June 2015, June 23, 2015
- Final Idaho Pole Five Year Review, September, 2015

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

No travel or site visits were conducted during the reporting period.

LIBBY GROUNDWATER SITE

The DEQ Project Officer received and reviewed monthly progress reports from the PRP, and related EPA correspondence. DEQ maintained files as appropriate DEQ participated in conference calls and meetings regarding the progress on the ongoing additional work requirements and proposed pilot scale work plans for biosparging and for steam enhanced extraction for the Libby Ground Water Site Upper Aquifer.

Documents Received, Reviewed, Prepared:

- Libby Ground Water Site Addendum One – Biosparging Pilot-Scale Test Work Plan, September 9, 2015

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

No travel or site visits occurred during the reporting period.

LOCKWOOD SOLVENT GROUNDWATER PLUME SITE

EPA listed the Lockwood Solvent Groundwater Plume Site (LSGPS) on December 1, 2000. DEQ and EPA issued the Record of Decision in August 2005. EPA resumed lead management of the site thereafter. DEQ initiated management assistance activities under the MSCA in September 2006 anticipating closeout of the site specific Lockwood Cooperative Agreement (V-98838501-0).

Documents Received, Reviewed, Prepared:

- Review and comment on the OU2 ozone sparge/Soil Vapor Extraction field test work plan
- Review status of ozone sparge and ISCO field pilot tests
- Review OU2 June monthly report
- Review the OU2 2014 annual ground water monitoring report
- Review OU2 July monthly report
- Review OU2 August monthly report
- Review plume management options for OU1 and OU2.
- Review and comment on the Lockwood project newsletter
- Review and comment on the Soco request to reduce the remediation performance guarantee.

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

Aug 13 Inspect OU1, OU2, and the MDOT project sites.

MILLTOWN RESERVOIR SEDIMENT SITE

Remedial Action (RA) construction activities began on June 1, 2006 and RA construction was completed in early May, 2012. The final construction completion and repository inspection took place in June 2012. Over 3,000,000 tons of contaminated sediments have been mitigated by removal from the former reservoir site and floodplain area and safely placed in engineered repositories. EPA and DEQ completed the first Five Year Review (FYR) in September 2011 and provided a copy to the public. A second Five Year Review Report will be completed by September 2016.

DEQ Fourth Quarter FFY 2015 expenses were for technical review of reports and correspondence, attending meetings, conference calls, indirect charges, site visits and project management activities.

DEQ Work Effort Activities:

- DEQ staff had a few phone calls and emails with the new EPA-RPM, Sara Sparks, during the reporting period
- DEQ staff reviewed the 2014 Monitoring and Maintenance Annual Report received during the previous reporting period

Documents Received, Reviewed, Prepared:

- None during the reporting period

Meetings with EPA Staff and others:

None during the reporting period, just a few phone conversations and emails with EPA staff about the upcoming 2nd 5 Year Review Report work effort

Travel and Site Visits:

DEQ staff did not travel during the reporting period

MOUAT CHROMIUM SITE

The Mouat Industries site in Columbus, Montana is the location of a former chromium processing plant operated from 1957-1973. Investigations conducted between 1977 and 1992 identified elevated chromium levels in the soil, surface water, and groundwater. The EPA placed the site on the NPL in June 1986.

FMC completed soil excavation and treatment of the source area in 1993 –1995. Atlantic Richfield Company completed groundwater and surface water monitoring of the chromium plume from 1996-2003. Atlantic Richfield and EPA sought to delist the site in 2005. EPA agreed to additional investigation of the treated blocks and the source area groundwater by DEQ. With DEQ and EPA field oversight, the Montana Bureau of Mines and Geology (MBMG) completed the ground water and soils investigation work in May-June 2007.

DEQ Work Effort Activities:

- DEQ activities during the quarter included review of pertinent historic documents, project correspondence, and project administration.
- Discussed sampling schedule then wrote an email about groundwater sampling and well repair/abandonment.
- Talked to MBMG technician about problems encountered during well abandonment.
- Reviewed emails from MBMG regarding groundwater sampling results.

Documents Received, Reviewed, Prepared:

No site-related documents were reviewed this quarter.

Meetings with EPA Staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site during the reporting period.

SILVER BOW CREEK/BUTTE AREA SITE

Butte Mine Flooding Operable Unit (BMFOU)

DEQ continued its involvement in all post-ROD activities. Post-ROD monitoring activities include review of migratory bird monthly reports, monthly water level monitoring reports, pertinent historic documents, and responses to public inquiries. DEQ has been involved with overseeing the operation of the Horseshoe Bend Water Treatment Plant (HsB WTP) by the PRPs, which the PRPs completed in November 2003. For the Travona/West Camp, DEQ activities included tracking water levels and pumping activities.

DEQ Work Effort Activities:

- Reviewed monthly reports and invoice from MBMG.
- Reviewed the draft Second Quarter 2015 report from the Settling Defendants.
- Participated in the Quarterly Project Update meeting with EPA, AR, MR, and MBMG.
- Contacted EPA about Montana Resources' (MR) tailings release into the Continental Drive Ditch.
- Wrote responses to questions for articles in the next issue of PitWatch.
- Gave a presentation to geochemists from Abandoned Mine Lands (AML) and the next day MR gave them a tour of the HsB WTP.
- Reviewed MBMG's budget estimate and routed Modification A to Task Order 2.
- Responded to an email on the HsB WTP schedule.
- Reviewed revision to the text of PitWatch and reviewed related emails.
- Participated in a kickoff meeting for MT Tech's Drone Boat to sample the Berkeley Pit remotely.
- Participated in a presentation on Montana Resources' proposed expansion of the Yankee Doodle Tailings Pond (YDTP).

Documents Received, Reviewed, Prepared:

- Draft Second Quarter 2015 Report, Montana Resources and Atlantic Richfield, August, 2015

Meetings with EPA staff and others:

Aug 13	Butte, for Quarterly Update meeting
Sept 3	Butte, for Drone Boat meeting
Sept 15	Butte, for YDTP meeting

Travel and Site Visits:

Aug 13	Butte, for Quarterly Update meeting
Sept 3	Butte, for Drone Boat meeting
Sept 15	Butte, for YDTP meeting

Rocker Operable Unit

DEQ reviewed historic documents and progress on the remedial action as described in the quarterly and annual O&M reports prepared and submitted by Atlantic Richfield. Other DEQ site activities include:

- Reviewed the Second Quarter 2015 report and Final First Quarter 2015 report and EPA's draft comment letter and sent feedback.
- Reviewed the monthly groundwater hydrographs from pressure transducers maintained by MBMG.
- Had discussions with EPA regarding purge water disposal.
- Reviewed a Request for Change (RFC) for installing a flow meter on the Town Pump well and exchanged emails with MBMG then EPA and AR.

Documents Received, Reviewed, Prepared:

- Final First Quarter 2015 Report, Atlantic Richfield, July 2015
- Draft Second Quarter 2015 Report, Atlantic Richfield, July 2015

Meetings with EPA Staff and others:

None schedule during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site during the reporting period.

Warm Springs Ponds Operable Unit

The Warm Springs Ponds continue to be operated to treat water from Silver Bow Creek. DEQ tracked the operations and progress. DEQ site activities include:

- Reviewed email notifications regarding water quality discharge exceedances for arsenic and pH.
- Reviewed the Monthly Discharge Compliance Monitoring Report.
- Reviewed USGS Clark Fork River Quarterly report.
- Reviewed the WSP First Quarter 2015 O&M Report.

Documents Received, Reviewed, Prepared:

- Monthly Discharge Compliance Monitoring Reports
- WSP First Quarter 2015 O&M Report, Atlantic Richfield, July 2015

Meetings with EPA staff and others:

None scheduled during the reporting period

Travel and Site Visits:

DEQ staff did not travel to the site during the reporting period.

Priority Soils Operable Unit

The Butte Priority Soils Operable Unit of the Silver Bow Creek/Butte Area NPL site is an EPA enforcement-lead project with state management assistance. DEQ continued to evaluate the post ROD requirements for Remedial Design and Remedial Action. EPA issued a Unilateral Administrative Order (UAO) on July 21, 2011 to insure that certain requirements of the ROD were being implemented in a

timely manner. The UAO included a Partial Remedy Implementation Plan. DEQ coordinated with EPA and the PRP Group to continue to implement the Ground Water Monitoring Program as specified in the ROD and the UAO. DEQ and EPA have been working with the PRP Group to implement the Interim Surface Water Management Plan. In addition, DEQ continued overseeing operation of Metro Storm Drain and Lower Area One ground water capture and treatment system. The Agencies and Settling Defendants continue to complete critical Remedial Design components that will be attached to the Consent Decree. Atlantic Richfield has finished upgrading the Butte Treatment Lagoons (Phase II), and is operating the full scale ground water treatment system. The Agencies and Settling Defendants continue to evaluate additional storm water BMPs.

DEQ Work Effort Activities:

- Participated in strategic planning meetings for the on-going Consent Decree (CD) negotiations.
- Reviewed EPA's summary of June 16th CD negotiation meeting.
- Reviewed Wet Weather Best Management Practices (BMPs) Evaluation Work Plan and had internal discussions.
- Reviewed the Surface Water Technical Impracticability (TI) Modelling results with compliance exceedance percentages.
- Participated in TI Model briefing meeting with EPA and then a Technical Team meeting with EPA, Atlantic Richfield, and Butte SilverBow.
- Reviewed the draft surface water compliance monitoring plan and had internal meetings.
- Began reviewing the MSD Loading Study Tech Memo.
- Reviewed the Silver Bow Creek/Blacktail Creek Porewater QAPP.
- Reviewed the Response to Comments on the Surface Water Characterization Report, Chapters 6-11.
- Participated in Unilateral Administrative Order (UAO) Update meetings.
- Participated in Remedy/Restoration Coordination meetings.
- Attended update meeting on the Groundwater Conceptual Site Model.
- Reviewed the draft Groundwater Data Analysis Report, 2011-2013.
- Reviewed draft Water Quality and Water Level Monitoring Network Coordination report and sent email.
- Reviewed 2014 Ground Water Data Summary Report (DSR) and draft comment letter and sent email.
- Reviewed Evaluation of Groundwater and Surface water for Area Between Capture Systems.
- Reviewed Final Tech Memo Percolation Evaluation for upper MSD, Diggings East, and Northside Tailings.
- Reviewed historic groundwater documents.
- Reviewed Butte Hill Diagnostic Sampling DSRs 2013 and 2014.
- Reviewed Miner's Field (Copper Mountain Sports Complex) water and sewer main design drawings.
- Participated in a tour of yard removal projects by the BSB Residential Metals Abatement Program (RMAP) and signed off on the work plans.
- Oversaw soil sample collection by BSB at a resident's horse pasture.
- Reviewed emails and water quality sample results for private wells sampled under the Controlled Groundwater Area.
- Had discussions with DEQ Petroleum Technical Services staff about the Lysac's property.

- Reviewed the Snow Removal Plan and EPA's draft comment letter and provided feedback.
- Reviewed the Railroads' Access Restriction Plan and EPA's draft comment letter and provided feedback.
- Reviewed daily construction reports and weekly BTL reports.
- Reviewed the Stormwater Public Service Announcement radio spots from the Clark Fork Watershed Education Program's (CFWEP) and sent emails.
- Oversaw CFWEP's field crew conducting evaluations using the Butte Reclamation Evaluation System (BRES).
- Reviewed BRES Corrective Action Plans (CAPs) with EPA, BSB and AR then we toured (walk-through) some of the sites.
- Reviewed the Railroads' BRES DSR and Technical Recommendation Report and provided input to EPA.
- Reviewed daily construction reports and weekly BTL reports.
- Had discussions and reviewed emails about installing an irrigation well at St. Patrick's Cemetery.
- Reviewed public comments submitted for the Five-Year Review.
- Reviewed daily construction reports and weekly BTL reports.
- Reviewed draft Surface water Interim Monitoring Plan and draft comment letter and sent input to EPA.

Documents Received, Reviewed, Prepared:

- Daily and Weekly Construction Reports
- Monthly and Quarterly Progress Reports from Group I and Group II Settling Defendant
- Final Tech Memo Percolation Evaluation for upper MSD, Diggings East, and Northside Tailings, AR, June 2015
- Evaluation of Groundwater and Surface water for Area Between Capture Systems, AR, November 25, 2014
- Wet Weather Best Management Practices (BMPs) Evaluation Work Plan
- MSD Loading Study Tech Memo, AR, September 2015
- Silver Bow Creek/Blacktail Creek Porewater QAPP, CDM, August 2015
- Draft Groundwater Data Analysis Report, 2011-2013, CDM, June 2015
- Draft Water Quality and Water Level Monitoring Network Coordination report, AR, June 2015
- 2014 Ground Water Data Summary Report, AR May 2015
- Evaluation of Groundwater and Surface water for Area Between Capture Systems, AR, November 2014
- Final Tech Memo Percolation Evaluation for upper MSD, Diggings East, and Northside Tailings, AR, June 2015
- Butte Hill Diagnostic Sampling DSRs 2013 and 2014, AR, May 2015
- Miner's Field (Copper Mountain Sports Complex) water and sewer main design drawings, Pioneer, July 2015
- Snow Removal Plan, BSB, March 2015
- Railroads' Access Restriction Plan, July 2015
- Railroads' BRES DSR and Technical Recommendation Report, March 2015
- Draft Surface water Interim Monitoring Plan, AR, March 2015

Meetings with EPA staff and others:

DEQ participated in multiple meetings, listed above, related to establishing technical impracticability and to support preliminary consent decree negotiations.

Travel and Site Visits:

July 1	Butte, for RMAP walk-thru
July 14	Butte, for UAO Update and BMP meetings
July 31	Butte, for BRES and RMAP
Aug 13	Butte, for RMAP sampling
Aug 19	Butte, for RMAP walk-thru and BRES recon
Aug 25	Butte, for UAO and Groundwater meetings
Aug 27	Butte, for BRES CAPs walk-thru
Sept 9	Butte, for RMAP walk-thru
Sept 22	Butte, for UAO Update meeting
Sept 29	Butte, for TI Model Tech Team meeting

UPPER TENMILE CREEK MINING AREA SITE

DEQ continued to participate as the supporting agency for this fund lead NPL site. DEQ attended RD/RA planning meetings, project staff/management meetings, meetings to discuss implementation of Institutional Controls, meetings to discuss source control evaluation of AMD in the Upper Tenmile watershed. DEQ met with EPA, USFSS, and Northwind weekly to direct remediation activities at 11 mine sites; excavation, backfill and revegetation were completed at these 11 sites. DEQ met with EPA and the US Forest Service to discuss reclamation of the Luttrell repository and to discuss the restoration of the Basin Creek Mine site. DEQ continued an Interagency Agreement with USGS for water quality and stream flow data collection. DEQ met with EPA frequently to discuss project issues.

DEQ Work Effort Activities:

- Construction review with EPA, CDM, USFS, and Northwind. Inspected 8 sites, including the passive AMD treatment at Stanton, Mineral Deposit, and Evergreen #2 and #3.
- Review site layout for the National Extension passive AMD treatment.

Documents Received, Reviewed, Prepared:

- Developed surface water quality monitoring plan to track TMDL progress.
- Reviewed AMD treatment options for National Extension.
- Reviewed design plans for Pauper's Pit, Monitor Creek, and Rimini.
- Reviewed Landmark potable water quality.
- Reviewed National Extension treatability study results.
- Reviewed project design priorities.
- Reviewed Landmark surface water, ground water, and potable water quality and response action options.

Meetings with EPA staff and others:

July 8	Met CDM, EPA, USFS, and Northwind to review progress
July 22	Met EPA, CDM, USFS, and Northwind to review progress

July 29 Met EPA, CDM, USFS, and Northwind to review remediation progress
Aug 5 Met EPA, CDM, USFS, and Northwind to review remediation progress
Aug 12, 19, 26 Met CDM, EPA, USFS, and Northwind to review progress
Sept 2, 16, 23 Met EPA, CDM, USFS, and Northwind to review progress

Travel and Site Visits:

July 1 Inspected 8 sites, including the passive AMD treatment at Stanton, Mineral Deposit, and Evergreen #2 and #3.
July 2 Review AMD treatment options for small sites.
July 7 Inspected 6 sites
July 17 Inspect remediation sites; review passive treatment of low AMD flows.
July 22 Inspected Basin Mine sedimentation pond
Aug 27 Review site layout for the National Extension passive AMD treatment.
Sept 1 Inspected National Extension passive treatment layout

PRELIMINARY ASSESSMENT/SITE INVESTIGATION PROGRAM

There is a need for DEQ resources to work on PA/SI related projects and provide staff time to review and coordinate activities with EPA Region 8. There are on-going projects such as Eureka Solvent in Eureka, MT; Philipsburg/Flint Creek/Fred Burr Creeks near Philipsburg, MT; and Forsyth Main Street Chlorinated Solvents in Forsyth, MT that DEQ is trying to investigate. DEQ staff continued working on the Columbia Falls Aluminum Company site with EPA

DEQ Fourth Quarter FFY 2015 expenses were for technical review of reports and correspondence, attending meetings, conference calls, indirect charges, site visits and project management activities.

DEQ Work Effort Activities:

- During the reporting period, DEQ staff participated in AOC and RI Work Plan discussions with EPA and provided management assistance related to the Columbia Falls Aluminum Plant
- EPA indicated a commitment for additional funds to support the Fred Burr Creek investigation and other site assessment activities as needed
- DEQ submitted a new grant application for additional EPA PA/SI funding during the reporting period
- DEQ prepared the quarterly report and maintained site files

Documents Received, Reviewed, Prepared:

- DEQ prepared correspondence and responded to information requests as needed

Meetings with EPA staff and others:

None during the reporting period

Travel and Site Visits:

DEQ staff did not travel during the reporting period

MSCA Bulk, Special Account and CSC Payroll Hours
07/01/2015 thru 09/18/2015

Sum of Hours	Org Unit													
Name	473430	476408	476414	476415	476445	476446	476447	476455	476456	476458	476470	476480	476485	476490
Adkins,Thaddeus									0.1					
Cannon,Helenann	4.6	0.3		1.2	1.1	3.1	0.8		0.2			0.9	0.5	
Chambers,Jenny R										6.5				
Chavez,Joel E														
Clark,Penney Ostler														
Dewitt,Lisa														4
Flynn,Kyle F														
Frary,Susan Anderson														
Garcin,Katherine														
Haque-Hausrath,Katherine M		0.3		0.2		0.4				4.9				29.3
Kirley,William B		0.5				1.5			13.2	3				6.8
Large,Keith K	47	53			80.6	6.4	90.1			77.3				
Morgan,Jonathan M		18.3			35	13.7				49.9				
Quinones,Benny E														
Reed,Daryl S								9.5	38			7.5		
Reynolds,Aimee T		25.5			2									
Robino,Joshua Michael				0.1										
Rowsey,Russell	7.1	2	2.4	4.6	5.4	6.2	8.3	1.4	5.3	0.3		4.2	3.7	1.4
Rutland,Ann Carolyn				29										
Sloan,Richard L				125.8							3.1		145.8	
Smietanka,Alexandra Lynn	0.5	0.1												
Stoops,Thomas M	13			8	1.5	1.5	1.5			7			2	
Grand Total	72.2	100	2.4	168.9	125.6	32.8	100.7	10.9	56.8	148.9	3.1	12.6	152	41.5

Carpenter Snow Creek
Barker Hughesville Remedial
Basin Mine - Town of Basin
Basin Mining - Watershed
Carpenter Snow Creek Min. Dist
Carpenter Snow Creek OU2 MA
Carpenter Snow Creek OU3
Flat Creek OU1
Flat Creek OU2
Smurfit
Lockwood Solvents OU1 Beal
MCUAT
Upper Ten Creek Mining Area
Columbia Falls Aluminum

MSCA Bulk, Special Account and C
07/01/2015 thru 09/18/2015

Sum of Hours

Name	476501	476502	476503	476505	476507	476520	476532	476533	476535	476536	476548	476562	476567	476570	476572	476576	Grand Total
Adkins,Thaddeus							0.5										0.6
Cannon,Helenann							0.6	2.3	0.7			0.6					16.9
Chambers,Jenny R								64.5									71
Chavez,Joel E	40	3	98														141
Clark,Penney Ostler	6.7			1.1				16.2			0.8						24.8
Dewitt,Lisa						0.1						28.4	2.8				35.3
Flynn,Kyle F								15.5									15.5
Frery,Susan Anderson				2	1.3												3.3
Garcin,Katherine													2				2
Haque-Hausrath,Katherine M	7.8	0.1	49.4			1.2		3.3					0.5				97.4
Kirley,William B								56.3								1.2	82.5
Large,Keith K																32.8	387.2
Morgan,Jonathan M				3.9	2.3			183.9	3.9								310.9
Quinones,Benny E						53											53
Reed,Daryl S							101.5	257.5	16	1.5	28.5						460
Reynolds,Aimee T	21				3			8			1						60.5
Robino,Joshua Michael				0.2				0.1									0.4
Rowsey,Russell	2.4	2.4	2.4	2.4	2.4	2.8	15	6.4	4.1	2.4	2.4	3.2	2.3	0.5	2.5	1.9	107.8
Rutland,Ann Carolyn								26									55
Sloan,Richard L				95.6	22.2									10.4	61.1		464
Smietanka,Alexandra Lynn	3.4		8.6	0.1				0.6									13.3
Stoops,Thomas M	3		20.5	1.5			1.5	78.5	1.5		0.5	0.5	0.5				142.5
Grand Total	84.3	5.5	178.9	106.8	31.2	57.1	119.1	719.1	26.2	3.9	33.2	32.7	8.1	10.9	63.6	35.9	2544.9

Anaconda Community Soils	Anaconda Old Works	Ana. Reg Water/ Waste/ Soils	ACM Refinery MA	ACM BNSF RR	BN Samens	Butte Mine Flooding	Butte Priority Soils	Butte Rocker	Butte Warm Springs Ponds	East Helena Remedial	Idaho Pole MA Special Accs	Libby Ground water	Lockwood OUI	Lockwood OUI Brentlugs	Miltown Reservoir Sed	TOTAL
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TRAVEL - SUMMARY INFORMATION
FUND 03353 MULTI-SITE MA SPEC ACC FUNDING

TRAVEL FOR TIME PERIOD: 07/01/2015-09/30/2015

Name	Location/Purpose	Dates	OrgUnit Name
Chavez, Joel	Butte/Site visit	09/16/15 - 09/16/15	476501-Anaconda Community Soils
Quinones, Ben	Somers/project oversite	09/01/15 - 09/01/15	476520-BN Somers MA
	Somers/project oversite	09/02/15 - 09/02/15	476520-BN Somers MA
Reed, Daryl	Butte/BPSOU - Bres and RMAP sites walk thrus and public interventions with EPA	07/01/15 - 07/01/15	476533-Butte Priority Soils MA
	Butte/BPSOU UAO/Construction Meetings	07/14/15 - 07/14/15	476533-Butte Priority Soils MA
	Butte/Butte priority soils OU-BRES & RMAP sites walk through with EPA & BSB	07/31/15 - 07/31/15	476533-Butte Priority Soils MA
	Butte/Butte mine flooding OU quarterly uplate meeting	08/13/15 - 08/13/15	476532-Butte Mine Flooding/Pit
	Butte/Butte priority soils OU-BRES and RMAP sites walk-thru with EPA and BSB.	08/19/15 - 08/19/15	476533-Butte Priority Soils MA
	Butte/Butte proprity soils OU-UAO update	08/25/15 - 08/25/15	476533-Butte Priority Soils MA
	Butte/Butte priority soils OU-BRES and RMAP sites walk-thru with EPA and BSB.	08/27/15 - 08/27/15	476533-Butte Priority Soils MA
	Butte/Butte Mine Flodding OU Pit Drone Kickoff Meeting Butte Proitorty Soil OU	09/03/15 - 09/03/15	476532-Butte Mine Flooding/Pit
	Butte/Butte Mine Flodding OU Pit Drone Kickoff Meeting and Butte Proitorty Soil OU	09/09/15 - 09/09/15	476533-Butte Priority Soils MA
	Butte/Butte Mine Flodding OU Pit Drone Kickoff Meeting and Butte Proitorty Soil OU	09/15/15 - 09/15/15	476533-Butte Priority Soils MA
	Butte/Butte Mine Flodding OU Pit Drone Kickoff Meeting and Butte Proitorty Soil OU	09/22/15 - 09/22/15	476533-Butte Priority Soils MA
	Butte/Butte Mine Flodding OU Pit Drone Kickoff Meeting and Butte Proitorty Soil OU	09/29/15 - 09/29/15	476533-Butte Priority Soils MA
Stoops, Thomas	Butte/Meeting releasted to BPSOU	09/22/15 - 09/22/15	476533-Butte Priority Soils MA
	Butte/Meeting related to BPSOU	09/29/15 - 09/29/15	476533-Butte Priority Soils MA

Multi Site Cooperative Agreement V-96823301

SPECIAL ACCOUNT FUNDING

Summary for Budget Management Only

exp: 6/30/2016

Updated Awards and Costs through 9/30/2015

CLARK FORK RIVER MA Sites				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Anaconda Community Soils	476501	87,409.00	54,678.85	32,730.15
Anaconda Old Works	476502	25,177.00	8,259.40	16,917.60
Anaconda Regional Water, Waste & Soils	476503	228,831.00	182,231.54	46,599.46
Milltown Reservoir Sediments	476576	29,562.00	19,907.81	9,654.19
SBC/Butte Area -- Butte Priority Soils	476533	647,488.00	468,018.62	179,471.38
SBC/Butte Area -- Warm Springs Ponds	476536	44,113.00	30,109.58	14,003.42
SUBTOTAL CLARK FORK RIVER MA		1,062,580.00	763,203.80	299,376.20

ROCKER MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
SBC/Butte Area -- Rocker	476535	51,740.00	36,698.03	25,041.97
SUBTOTAL ROCKER MA		51,740.00	36,698.03	25,041.97

BUTTE MINE FLOODING MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
SBC/Butte Area -- Mine Flooding/Berkley Pit	476532	125,132.00	94,196.52	30,935.48
SUBTOTAL BUTTE MINE FLOODING MA		125,132.00	94,196.52	30,935.48

EAST HELENA MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
East Helena Remedial Management	476548	62,189.00	43,432.93	18,756.07
SUBTOTAL EAST HELENA MA		62,189.00	43,432.93	18,756.07

IDAHO POLE MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Idaho Pole MA Site	476582	25,075.00	15,596.95	9,478.05
SUBTOTAL IDAHO POLE MA		25,075.00	15,596.95	9,478.05

LOCKWOOD MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Lockwood OUI Beal	476570	13,146.00	566.05	12,579.95
Lockwood Solvents GVV Plume	476572	55,506.00	39,810.92	15,695.08
SUBTOTAL LOCKWOOD MA		68,652.00	40,376.97	28,275.03

BN SOMERS MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
BN Somers Management Assistance	476520	83,224.00	59,183.35	24,040.65
SUBTOTAL BN SOMERS		83,224.00	59,183.35	24,040.65

ACM REFINERY MA Sites				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
ACM Smelter & Refinery	476505	81,447.00	58,158.12	23,288.88
ACM Smelter & Refinery - BNSF	476507	49,974.00	29,427.20	20,546.80
SUBTOTAL ACM REFINERY		131,421.00	87,585.32	43,835.68

LIBBY GROUNDWATER MA Site				
Site Name	Org Unit	Total Awards	Expenses to Date	Current Balance
Libby Groundwater	476587	34,737.00	14,316.78	20,420.22
SUBTOTAL LIBBY GROUNDWATER		34,737.00	14,316.78	20,420.22

TOTAL OF MSCA SPEC ACC AWARDS AND EXPENSE	1,654,750.00	1,154,590.65	500,159.35
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Accommodation Tax Refunds

49.09

Grant Balance

500,208.44

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

TOTAL FOR MULTI SITE COOPERATIVE AGREEMENT

LIFE TO DATE

Expenditures Reported Prior Quarter	1,072,151.85
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Jul-15	10,042.81	
Aug-15	30,110.77	
Sep-15	42,285.22	
PYA	0.00	82,438.80

Total Expenditures to Date	1,154,590.65
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	1,154,590.65
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Expenditures plus unliquidated obligations

AWARD	1,654,750.00
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BALANCE	500,159.35
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QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY FOR CLARK FORK RIVER SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 705,131.76

Expenditures for Current Quarter

Jul-15	8,109.29	
Aug-15	19,932.05	
Sep-15	30,030.70	
PYA	0.00	58,072.04

Total Expenditures to Date 763,203.80

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 763,203.80

Expenditures plus unliquidated obligations

AWARD 1,062,580.00

BALANCE 299,376.20

DEQ ORG UNITS:

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

ANACONDA COMMUNITY SOILS
EPA Project ID: 0818MA16 Cost Org C005

LIFE TO
DATE

Expenditures Reported Prior Quarter 49,911.36

Expenditures for Current Quarter

Jul-15	894.73	
Aug-15	495.88	
Sep-15	3,376.88	
PYA	0.00	4,767.49

Total Expenditures to Date 54,678.85

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 54,678.85

Expenditures plus unliquidated obligations

AWARD 87,409.00

BALANCE 32,730.15

DEQ ORG UNITS: 476501

QUARTERLY REPORT

A/E 03353

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MONTANA MULTI SITE COOPERATIVE AGREEMENT

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V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

ANACONDA OLD WORKS/EAST ANACONDA DEV. AREA

LIFE TO

EPA Project ID: 0818MA07 Cost Org C004

DATE

Expenditures Reported Prior Quarter

7,955.18

Expenditures for Current Quarter

Jul-15

174.18

Aug-15

82.83

Sep-15

47.21

PYA

0.00

304.22

Total Expenditures to Date

8,259.40

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

8,259.40

Expenditures plus unliquidated obligations

AWARD

25,177.00

BALANCE

16,917.60

DEQ ORG UNITS: 476502

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

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9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

ANACONDA REGIONAL WATER, WASTE, & SOILS
EPA Project ID: 0818MA00 Cost Org C003

LIFE TO
DATE

Expenditures Reported Prior Quarter 170,925.42

Jul-15	1,961.08	
Aug-15	5,847.84	
Sep-15	3,497.20	
PYA	0.00	11,306.12

Total Expenditures to Date 182,231.54

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 182,231.54

Expenditures plus unliquidated obligations

AWARD 228,831.00

BALANCE 46,599.46

DEQ ORG UNITS: 476503

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

SBC/BUTTE AREA -- BUTTE PRIORITY SOILS

LIFE TO

EPA Project ID: 0822MA08 Cost Org C005

DATE

Expenditures Reported Prior Quarter

428,333.40

Expenditures for Current Quarter

Jul-15 4,337.17

Aug-15 12,961.22

Sep-15 22,384.83

PYA 0.00

39,683.22

Total Expenditures to Date

468,016.62

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

468,016.62

Expenditures plus unliquidated obligations

AWARD

647,488.00

BALANCE

179,471.38

DEQ ORG UNITS: 476533

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

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9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

SBC/BUTTE AREA -- WARM SPRINGS PONDS
EPA Project ID: 0822MA00 Cost Org C002

LIFE TO
DATE

Expenditures Reported Prior Quarter 29,947.89

Expenditures for Current Quarter

Jul-15	21.46	
Aug-15	46.80	
Sep-15	93.43	
PYA	0.00	161.69

Total Expenditures to Date 30,109.58

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 30,109.58

Expenditures plus unliquidated obligations

AWARD 44,113.00

BALANCE 14,003.42

DEQ ORG UNITS: 476536

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

MILLTOWN RESERVOIR -- SEDIMENTS
EPA Project ID: 0823MA02 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 18,058.51

Expenditures for Current Quarter

Jul-15	720.67	
Aug-15	497.48	
Sep-15	631.15	
PYA	0.00	1,849.30

Total Expenditures to Date 19,907.81

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 19,907.81

Expenditures plus unliquidated obligations

AWARD 29,562.00

BALANCE 9,654.19

DEQ ORG UNITS: 476576

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY FOR BUTTE MINE FLOODING SITE**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 88,198.09

Expenditures for Current Quarter

Jul-15	351.97	
Aug-15	2,400.77	
Sep-15	3,245.69	
PYA	0.00	5,998.43

Total Expenditures to Date 94,196.52

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 94,196.52

Expenditures plus unliquidated obligations

AWARD 125,132.00

BALANCE 30,935.48

DEQ ORG UNITS:

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

SBC/BUTTE AREA -- MINE FLOODING/BERKLEY PIT

LIFE TO

EPA Project ID: 0822MA00 Cost Org C001

DATE

Expenditures Reported Prior Quarter

88,198.09

Expenditures for Current Quarter

Jul-15 351.97

Aug-15 2,400.77

Sep-15 3,245.69

PYA 0.00 5,998.43

Total Expenditures to Date

94,196.52

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

94,196.52

Expenditures plus unliquidated obligations

AWARD

125,132.00

BALANCE

30,935.48

DEQ ORG UNITS: 476532

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY FOR ROCKER SITE**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 35,380.31

Expenditures for Current Quarter

Jul-15	180.51	
Aug-15	623.05	
Sep-15	514.16	
PYA	0.00	1,317.72

Total Expenditures to Date 36,698.03

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 36,698.03

Expenditures plus unliquidated obligations

AWARD 61,740.00

BALANCE 25,041.97

DEQ ORG UNITS:

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

SBC/BUTTE AREA -- ROCKER
EPA Project ID: 0822MA00 Cost Org C007

LIFE TO
DATE

Expenditures Reported Prior Quarter 35,380.31

Expenditures for Current Quarter

Jul-15	180.51	
Aug-15	623.05	
Sep-15	514.16	
PYA	0.00	1,317.72

Total Expenditures to Date 36,698.03

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 36,698.03

Expenditures plus unliquidated obligations

AWARD 61,740.00

BALANCE 25,041.97

DEQ ORG UNITS: 476535

QUARTERLY REPORT	A/E 03353	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:32 AM
V-96823301-0		

FOR THE PERIOD 7/1/2015 thru 9/30/2015

MULTI SITE COOPERATIVE AGREEMENT	LIFE TO
SUMMARY FOR EAST HELENA SITE	DATE

Expenditures Reported Prior Quarter	41,742.21
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Expenditures for Current Quarter

Jul-15	93.40	
Aug-15	594.77	
Sep-15	1,002.55	
PYA	0.00	1,690.72

Total Expenditures to Date	43,432.93
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	43,432.93
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Expenditures plus unliquidated obligations

AWARD	62,189.00
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BALANCE	18,756.07
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DEQ ORG UNITS:

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

EAST HELENA REMEDIAL MANAGEMENT

LIFE TO

EPA Project ID: 0830MA02 Cost Org C002

DATE

Expenditures Reported Prior Quarter

41,742.21

Expenditures for Current Quarter

Jul-15 93.40

Aug-15 594.77

Sep-15 1,002.55

PYA 0.00

1,690.72

Total Expenditures to Date

43,432.93

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

43,432.93

Expenditures plus unliquidated obligations

AWARD

62,189.00

BALANCE

18,756.07

DEQ ORG UNITS: 476548

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY OF IDAHO POLE SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 13,630.26

Expenditures for Current Quarter

Jul-15	241.56	
Aug-15	1,241.94	
Sep-15	483.19	
PYA	0.00	1,966.69

Total Expenditures to Date 15,596.95

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 15,596.95

Expenditures plus unliquidated obligations

AWARD 25,075.00

BALANCE 9,478.05

DEQ ORG UNITS:

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

IDAHO POLE MANAGEMENT ASSISTANCE
EPA Project ID: 0862MA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 13,630.26

Expenditures for Current Quarter

Jul-15	241.56	
Aug-15	1,241.94	
Sep-15	483.19	
PYA	0.00	1,966.69

Total Expenditures to Date 15,596.95

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 15,596.95

Expenditures plus unliquidated obligations

AWARD 25,075.00

BALANCE 9,478.05

DEQ ORG UNITS: 476562

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY OF LOCKWOOD SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 36,907.35

Expenditures for Current Quarter

Jul-15	346.67	
Aug-15	1,047.21	
Sep-15	2,075.74	
PYA	0.00	3,469.62

Total Expenditures to Date 40,376.97

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 40,376.97

Expenditures plus unliquidated obligations

AWARD 68,652.00

BALANCE 40,854.98

DEQ ORG UNITS:

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

LOCKWOOD SOLVENTS MA OU1 BEAL
EPA Project ID: 08AKMA02 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 0.00

Expenditures for Current Quarter

Jul-15 0.00

Aug-15 121.33

Sep-15 444.72

PYA 0.00 566.05

Total Expenditures to Date 566.05

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 566.05

Expenditures plus unliquidated obligations

AWARD 13,146.00

BALANCE 12,579.95

DEQ ORG UNITS: 476572

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

LOCKWOOD SOLVENTS MA OU2 BRENTAGG
EPA Project ID: 08AKMA02 Cost Org C002

LIFE TO
DATE

Expenditures Reported Prior Quarter 36,907.35

Expenditures for Current Quarter

Jul-15	346.67	
Aug-15	925.88	
Sep-15	1,631.02	
PYA	0.00	2,903.57

Total Expenditures to Date 39,810.92

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 39,810.92

Expenditures plus unliquidated obligations

AWARD 55,506.00

BALANCE 15,695.08

DEQ ORG UNITS: 476572

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY OF BN SOMERS SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 56,152.00

Expenditures for Current Quarter

Jul-15 79.88

Aug-15 477.78

Sep-15 2,473.69

PYA 0.00

3,031.35

Total Expenditures to Date 59,183.35

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 59,183.35

Expenditures plus unliquidated obligations

AWARD 83,224.00

BALANCE 24,040.65

DEQ ORG UNITS:

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

BN SOMERS MANAGEMENT ASSISTANCE
EPA Project ID: 0863MA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 56,152.00

Expenditures for Current Quarter

Jul-15	79.88	
Aug-15	477.78	
Sep-15	2,473.69	
PYA	0.00	3,031.35

Total Expenditures to Date 59,183.35

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 59,183.35

Expenditures plus unliquidated obligations

AWARD 83,224.00

BALANCE 24,040.65

DEQ ORG UNITS: 476520

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY OF ACM REFINERY SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 81,092.85

Expenditures for Current Quarter

Jul-15	448.03	
Aug-15	3,687.89	
Sep-15	2,356.55	
PYA	0.00	6,492.47

Total Expenditures to Date 87,585.32

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 87,585.32

Expenditures plus unliquidated obligations

AWARD 131,421.00

BALANCE 43,835.68

DEQ ORG UNITS:

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

ACM Smelter & Refinery

LIFE TO

EPA Project ID: 0819MA01 Cost Org C001

DATE

Expenditures Reported Prior Quarter

53,089.91

Expenditures for Current Quarter

Jul-15 409.54

Aug-15 2,865.11

Sep-15 1,793.56

PYA 0.00 5,068.21

Total Expenditures to Date

58,158.12

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

58,158.12

Expenditures plus unliquidated obligations

AWARD

81,447.00

BALANCE

23,288.88

DEQ ORG UNITS: 476505

QUARTERLY REPORT

A/E 03353

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:32 AM

V-96823301-0

FOR THE PERIOD

7/1/2015 thru 9/30/2015

ACM Smelter & Refinery - BNSF

LIFE TO

EPA Project ID: 0819MA01 Cost Org C002

DATE

Expenditures Reported Prior Quarter

28,002.94

Expenditures for Current Quarter

Jul-15

38.49

Aug-15

822.78

Sep-15

562.99

PYA

0.00

1,424.26

Total Expenditures to Date

29,427.20

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

29,427.20

Expenditures plus unliquidated obligations

AWARD

49,974.00

BALANCE

20,546.80

DEQ ORG UNITS: 476507

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96823301-0

A/E 03353

11/11/15
9:32 AM

FOR THE PERIOD 7/1/2015 thru 9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY OF LIBBY GROUNDWATER SITES**

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 13,917.02

Expenditures for Current Quarter

Jul-15	191.50	
Aug-15	105.31	
Sep-15	102.95	
PYA	0.00	399.76

Total Expenditures to Date 14,316.78

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 14,316.78

Expenditures plus unliquidated obligations

AWARD 34,737.00

BALANCE 20,420.22

DEQ ORG UNITS:

QUARTERLY REPORT	A/E 03353	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:32 AM
V-96823301-0		

FOR THE PERIOD 7/1/2015 thru 9/30/2015

Libby Groundwater	LIFE TO
EPA Project ID: 0820MA02 Cost Org C002	DATE

Expenditures Reported Prior Quarter	13,917.02
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Expenditures for Current Quarter

Jul-15	191.50	
Aug-15	105.31	
Sep-15	102.95	
PYA	0.00	399.76

Total Expenditures to Date	14,316.78
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	14,316.78
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Expenditures plus unliquidated obligations

AWARD	34,737.00
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BALANCE	20,420.22
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DEQ ORG UNITS: 476567

PA/SI Payroll Hours
07/01/2015 thru 09/18/2015

Sum of Hours		Org Unit
Name	486401	Grand Total
Brooks,Cynthia D	3.3	3.3
Kirley,William B	0.5	0.5
Large,Keith K	1.1	1.1
Martin,Denise L	19.2	19.2
Rowsey,Russell	0.7	0.7
Stoops,Thomas M	4	4
Grand Total	28.8	28.8

TRAVEL - SUMMARY INFORMATION
FUND 03360 MULTI-SITE MA BULK FUND

TRAVEL FOR TIME PERIOD: 07/01/2015-09/30/2015

Name	Location/Purpose	Dates	OrgUnit Name
Large, Keith	Neihart/on-site tour and discussions about acid mine drainage at the Belt AML, BHMD and CSCMD site with other DEQ, EPA and Tetra Tech staffs	07/07/15 - 07/08/15	476445-CARP. SNOW CREEK MIN. DIST
	Monarch/travel to site with Roger to meet with Doe Run and USFS staff	07/14/15 - 07/14/15	476408-BARKER HUGHESVILLE REMEDIAL
	Neihart/travel to site to met with MDT staff and mdt contractor about intersection project	07/30/15 - 07/30/15	476445-CARP. SNOW CREEK MIN. DIST
	Neihart/Onsite To conducting sampling oversight with EPA staff	09/14/15 - 09/14/15	476445-CARP. SNOW CREEK MIN. DIST
	Neihart/Onsite to meet w/EPA	09/18/15 - 09/18/15	476445-CARP. SNOW CREEK MIN. DIST
	Neihart/On-site w/EPA Roger	09/22/15 - 09/22/15	476445-CARP. SNOW CREEK MIN. DIST
	Neihart/On Site w/Roger and USFS Staff to build chek dams at the lower Rebellion mine site.	09/28/15 - 09/28/15	476446-CARPENTER SNOW CREEK OU2 MA
	Monarch/BHMD site w/Roger and Doe Run staff for fall monitoring and removal area re-veg work.	09/29/15 - 09/29/15	476408-BARKER HUGHESVILLE REMEDIAL

Multi Site Bulk Funding Cooperative Agreement V-96822401

BULK FUNDING

Summary for Budget Management Only

exp: 6/30/2016

Updated Awards and Costs through 9/30/2015

BARKER HUGHSVILLE MA Sites		DEQ Allocation		
Site Name	Org Unit	of Award	Expenses to Date	Current Balance
Barker Hughsville Remedial Management	476408	75,678.16	57,796.76	17,881.40
Barker Hughsville Removal Management	476409	23,462.71	23,462.71	0.00
TOTAL BARKER HUGHSVILLE MA		99,140.87	81,259.47	17,881.40

NON CLARK FORK RIVER WQ FUNDED SITES MA		DEQ Allocation		
Site Name	Org Unit	of Award	Expenses to Date	Current Balance
ACM Smelter and Refinery***	476405	28,327.04	28,327.04	0.00
ACM BNSF RR***	476407	921.76	921.76	0.00
Basin Mining Area - Town of Basin	476414	7,706.53	3,487.37	4,219.16
Basin Mining Area - Basin Watershed	476415	102,596.31	77,374.54	25,221.77
Carpenter Snow Creek Mining District OU1	476445	42,979.20	23,811.56	19,167.64
Carpenter Snow Creek Mining District OU2	476446	63,628.38	45,484.38	18,144.00
Carpenter Snow Creek Mining District OU3	476447	32,844.00	4,638.07	28,205.93
Flat Creek	476455	100,049.31	96,595.13	3,454.18
Flat Creek OU2 Mines/WaterShed	476456	48,379.35	13,280.18	35,099.17
Frenchtown Mill - Smurfit-Stone	476458	39,739.25	22,472.32	17,266.93
Libby Groundwater***	476467	2,753.50	2,753.50	0.00
Lockwood Solvents GW Plume OU1 Bear***	476470	17,189.93	17,189.93	0.00
Mouat	476480	27,822.06	19,978.71	7,843.35
Upper Tenmile Creek Mining Area	476485	129,557.44	89,621.19	39,936.25
Columbia Falls Aluminum	476490	24,265.00	2,572.61	21,692.39
SUBTOTAL NON CFR WQ FUNDED MA		668,759.06	448,508.29	220,250.77

PASI WQ FUNDING		DEQ Allocation		
Site Name	Org Unit	of Award	Expenses to Date	Current Balance
Summary of all org units	4864XX	61,466.07	35,460.98	26,005.09
TOTAL PASI Funding		61,466.07	35,460.98	26,005.09

TOTAL OF ALL MSCA AWARDS AND EXPENSES	829,366.00	565,228.74	264,137.26
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Accommodation Tax Refunds

30.47

Grant Balance

264,167.73

***ACM Smelter and Refinery, ACM BNSF, Lockwood OU1 and Libby Groundwater have been moved to Special account funding V-96823301.

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

Fund 03360

11/11/15

9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

TOTAL FOR MULTI SITE COOPERATIVE AGREEMENT	LIFE TO DATE
--	-----------------

Expenditures Reported Prior Quarter	515,526.15
-------------------------------------	------------

Jul-15	5,744.41	
Aug-15	20,809.48	
Sep-15	23,148.70	
PYA	0.00	49,702.59

Total Expenditures to Date	565,228.74
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	565,228.74
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Expenditures plus unliquidated obligations

AWARD	829,366.00
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BALANCE	264,137.26
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QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15

9:13 AM

FOR THE PERIOD

7/1/2015-9/30/2015

**MULTI SITE COOPERATIVE AGREEMENT
SUMMARY FOR BARKER HUGHSVILLE SITE**

LIFE TO
DATE

Expenditures Reported Prior Quarter 75,927.16

Expenditures for Current Quarter

Jul-15	699.27	
Aug-15	2,248.73	
Sep-15	2,384.31	
PYA	0.00	5,332.31

Total Expenditures to Date 81,259.47

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 81,259.47

Expenditures plus unliquidated obligations

AWARD 99,140.87

BALANCE 17,881.40

DEQ ORG UNITS:

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

BARKER HUGHESVILLE REMEDIAL MANAGEMENT
EPA Project ID: 085NMA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 52,464.45

Expenditures for Current Quarter

Jul-15	699.27	
Aug-15	2,248.73	
Sep-15	2,384.31	
PYA	0.00	5,332.31

Total Expenditures to Date 57,796.76

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 57,796.76

Expenditures plus unliquidated obligations

AWARD 75,678.16

BALANCE 17,881.40

DEQ ORG UNITS: 476408

QUARTERLY REPORT

A/E 03360

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:13 AM

V-96822401

FOR THE PERIOD

7/1/2015-9/30/2015

BARKER HUGHSVILLE REMOVAL MANAGEMENT
EPA Project ID: 085NMA01/085NMA02 Cost Org C003

LIFE TO
DATE

Expenditures Reported Prior Quarter

23,462.71

Expenditures for Current Quarter

Jul-15 0.00

Aug-15 0.00

Sep-15 0.00

PYA 0.00 0.00

Total Expenditures to Date

23,462.71

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

23,462.71

Expenditures plus unliquidated obligations

AWARD

23,462.71

BALANCE

0.00

DEQ ORG UNITS: 476409

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

MULTI SITE COOPERATIVE AGREEMENT **LIFE TO**
SUMMARY FOR WQ FUNDED NON-CLARK FORK RIVER SIT DATE

Expenditures Reported Prior Quarter 405,981.28

Expenditures for Current Quarter

Jul-15	4,261.71	
Aug-15	18,151.99	
Sep-15	20,113.31	
PYA	0.00	42,527.01

Total Expenditures to Date 448,508.29

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 448,508.29

Expenditures plus unliquidated obligations

AWARD 668,759.06

BALANCE 220,250.77

DEQ ORG UNITS:

QUARTERLY REPORT	A/E 03360	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:13 AM
V-96822401		

FOR THE PERIOD 7/1/2015-9/30/2015

ANACONDA MINING COMPANY REFINERY	LIFE TO
EPA Project ID: 0819MA01 Cost Org C001	DATE

Expenditures Reported Prior Quarter	28,327.04
-------------------------------------	-----------

Expenditures for Current Quarter

Jul-15	0.00	
Aug-15	0.00	
Sep-15	0.00	
PYA	0.00	0.00

Total Expenditures to Date	28,327.04
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	28,327.04
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Expenditures plus unliquidated obligations

AWARD	28,327.04
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BALANCE	0.00
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DEQ ORG UNITS: 476405

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

ACM BNSF RR

EPA Project ID: 0819MA01 Cost Org C002

LIFE TO
DATE

Expenditures Reported Prior Quarter 921.76

Expenditures for Current Quarter

Jul-15	0.00	
Aug-15	0.00	
Sep-15	0.00	
PYA	0.00	0.00

Total Expenditures to Date 921.76

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 921.76

Expenditures plus unliquidated obligations

AWARD 921.76

BALANCE 0.00

DEQ ORG UNITS: 476407

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

BASIN MINING AREA -- BASIN TOWN
EPA Project ID: 08K5MA01 Cost Org C002

**LIFE TO
DATE**

Expenditures Reported Prior Quarter 3,381.77

Expenditures for Current Quarter

Jul-15	0.00	
Aug-15	41.74	
Sep-15	63.86	
PYA	0.00	105.60

Total Expenditures to Date 3,487.37

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 3,487.37

Expenditures plus unliquidated obligations

AWARD 7,706.53

BALANCE 4,219.16

DEQ ORG UNITS: 476414

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

BASIN MINING AREA -- BASIN WATERSHED
EPA Project ID: 08K5MA02 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 69,306.17

Expenditures for Current Quarter

Jul-15	1,031.61	
Aug-15	1,787.33	
Sep-15	5,249.43	
PYA	0.00	8,068.37

Total Expenditures to Date 77,374.54

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 77,374.54

Expenditures plus unliquidated obligations

AWARD 102,596.31

BALANCE 25,221.77

DEQ ORG UNITS: 476415

QUARTERLY REPORT

A/E 03360

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:13 AM

V-96822401

FOR THE PERIOD

7/1/2015-9/30/2015

CARPENTER SNOW CREEK MINING DISTRICT
EPA OU: 089XMA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter

17,566.74

Expenditures for Current Quarter

Jul-15 385.40
Aug-15 4,235.25
Sep-15 1,624.17
PYA 0.00

6,244.82

Total Expenditures to Date

23,811.56

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

23,811.56

Expenditures plus unliquidated obligations

AWARD

42,979.20

BALANCE

19,167.64

DEQ ORG UNITS: 476445

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD

7/1/2015-9/30/2015

CARPENTER SNOW CREEK MINING DISTRICT
EPA Project ID: 089XMA02 Cost Org C002

LIFE TO
DATE

Expenditures Reported Prior Quarter 43,939.54

Expenditures for Current Quarter

Jul-15	38.22	
Aug-15	797.27	
Sep-15	709.35	
PYA	0.00	1,544.84

Total Expenditures to Date 45,484.38

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 45,484.38

Expenditures plus unliquidated obligations

AWARD 63,628.38

BALANCE 18,144.00

DEQ ORG UNITS: 476446

QUARTERLY REPORT

A/E 03360

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:13 AM

V-96822401

FOR THE PERIOD

7/1/2015-9/30/2015

CARPENTER SNOW CREEK MINING DISTRICT OU3

LIFE TO

EPA Project ID: 089XMA02 Cost Org C003

DATE

Expenditures Reported Prior Quarter

0.00

Expenditures for Current Quarter

Jul-15 608.97

Aug-15 1,899.12

Sep-15 2,129.98

PYA 0.00

4,638.07

Total Expenditures to Date

4,638.07

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

4,638.07

Expenditures plus unliquidated obligations

AWARD

32,844.00

BALANCE

28,205.93

DEQ ORG UNITS: 476447

QUARTERLY REPORT	A/E 03360	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:13 AM
V-96822401		

FOR THE PERIOD 7/1/2015-9/30/2015

FLAT CREEK	LIFE TO
EPA Project ID: 08ERMA01 Cost Org C001	DATE

Expenditures Reported Prior Quarter	96,049.10
-------------------------------------	-----------

Expenditures for Current Quarter

Jul-15	0.00	
Aug-15	22.77	
Sep-15	523.26	
PYA	0.00	546.03

Total Expenditures to Date	96,595.13
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	96,595.13
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Expenditures plus unliquidated obligations

AWARD	100,049.31
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BALANCE	3,454.18
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DEQ ORG UNITS: 476455

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

FLAT CREEK
EPA Project ID: 08ERMA02 Cost Org C002

LIFE TO
DATE

Expenditures Reported Prior Quarter 10,006.74

Expenditures for Current Quarter

Jul-15	822.54	
Aug-15	1,938.30	
Sep-15	512.60	
PYA	0.00	3,273.44

Total Expenditures to Date 13,280.18

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 13,280.18

Expenditures plus unliquidated obligations

AWARD 48,379.35

BALANCE 35,099.17

DEQ ORG UNITS: 476456

QUARTERLY REPORT
MONTANA MULTISITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD

7/1/2015-9/30/2015

Frenchtown Mill - Smurfit-Stone
EPA Project ID: A804MA00 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 14,739.11

Expenditures for Current Quarter

Jul-15	27.52	
Aug-15	1,281.90	
Sep-15	6,423.79	
PYA	0.00	7,733.21

Total Expenditures to Date 22,472.32

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 22,472.32

Expenditures plus unliquidated obligations

AWARD 39,739.25

BALANCE 17,266.93

DEQ ORG UNITS: 476458

QUARTERLY REPORT	A/E 03360	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:13 AM
V-96822401		

FOR THE PERIOD 7/1/2015-9/30/2015

LIBBY GROUNDWATER	LIFE TO
EPA Project ID: 0820MA02 Cost Org C002	DATE

Expenditures Reported Prior Quarter	2,753.50
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Expenditures for Current Quarter

Jul-15	0.00	
Aug-15	0.00	
Sep-15	0.00	
PYA	0.00	0.00

Total Expenditures to Date	2,753.50
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	2,753.50
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Expenditures plus unliquidated obligations

AWARD	2,753.50
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BALANCE	0.00
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DEQ ORG UNITS: 476467

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

LOCKWOOD SOLVENTS GROUNDWATER PLUME MA
EPA Project ID: 08AKMA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 17,127.56

Expenditures for Current Quarter

Jul-15	62.37	
Aug-15	0.00	
Sep-15	0.00	
PYA	0.00	62.37

Total Expenditures to Date 17,189.93

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 17,189.93

Expenditures plus unliquidated obligations

AWARD 17,189.93

BALANCE 0.00

DEQ ORG UNITS: 476470

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD

7/1/2015-9/30/2015

MOUAT

EPA Project ID: 0865MA01 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter

19,394.99

Expenditures for Current Quarter

Jul-15	129.10
Aug-15	231.06
Sep-15	223.56
PYA	0.00

583.72

Total Expenditures to Date

19,978.71

Encumbrances/Unliquidated Obligations

0.00

Total Obligations to Date

19,978.71

Expenditures plus unliquidated obligations

AWARD

27,822.06

BALANCE

7,843.35

DEQ ORG UNITS: 476480

QUARTERLY REPORT
MONTANA MULTI SITE COOPERATIVE AGREEMENT
V-96822401

A/E 03360

11/11/15
9:13 AM

FOR THE PERIOD 7/1/2015-9/30/2015

UPPER TENMILE CREEK MINING AREA
EPA Project ID: 081YMA04 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 82,467.26

Expenditures for Current Quarter

Jul-15	987.14	
Aug-15	3,916.29	
Sep-15	2,250.50	
PYA	0.00	7,153.93

Total Expenditures to Date 89,621.19

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 89,621.19

Expenditures plus unliquidated obligations

AWARD 129,557.44

BALANCE 39,936.25

DEQ ORG UNITS: 476485

QUARTERLY REPORT

A/E 03360

11/11/15

MONTANA MULTI SITE COOPERATIVE AGREEMENT

9:13 AM

V-96822401

FOR THE PERIOD

7/1/2015-9/30/2015

UPPER TENMILE CREEK MINING AREA
EPA Project ID: 081YMA04 Cost Org C001

LIFE TO
DATE

Expenditures Reported Prior Quarter 0.00

Expenditures for Current Quarter

Jul-15	168.84	
Aug-15	2,000.96	
Sep-15	402.81	
PYA	0.00	2,572.61

Total Expenditures to Date 2,572.61

Encumbrances/Unliquidated Obligations 0.00

Total Obligations to Date 2,572.61

Expenditures plus unliquidated obligations

AWARD 24,265.00

BALANCE 21,692.39

DEQ ORG UNITS: 476485

QUARTERLY REPORT	A/E 03360	11/11/15
MONTANA MULTI SITE COOPERATIVE AGREEMENT		9:27 AM
V-96822401		

FOR THE PERIOD 7/1/2015-9/30/2015

PA/SI FUNDING	LIFE TO
EPA Project ID: 0800QB00 Cost Orgs C069/C087	DATE

Expenditures Reported Prior Quarter	33,617.71
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Expenditures for Current Quarter

Jul-15	783.43	
Aug-15	408.76	
Sep-15	651.08	
PYA	0.00	1,843.27

Total Expenditures to Date	35,460.98
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Encumbrances/Unliquidated Obligations	0.00
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Total Obligations to Date	35,460.98
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Expenditures plus unliquidated obligations

AWARD	61,466.07
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BALANCE	26,005.09
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DEQ ORG UNITS: 486401